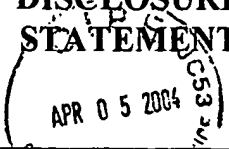
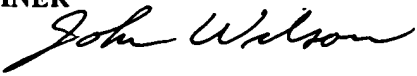


<b>INFORMATION DISCLOSURE STATEMENT</b> 	Atty. Docket No.: 58614US002	Serial No.: 10/643,748
	Applicant(s): OXMAN et al.	Confirmation No.: 4133
	Application Filing Date: 19 August 2003	Group: 3732
	Information Disclosure Statement mailed: April 1, 2004	

## U.S. PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>gaw</i>		Des. 403,768	01/05/99	Mark et al.			
		4,071,424	01/31/78	Dart et al.			
		4,129,946	12/19/78	Kennedy			
		4,347,888	09/07/82	Butler			
		4,503,169	03/05/85	Randklev			
		4,507,466	03/26/85	Tomalia et al.			
		4,514,174	04/30/85	Dougherty et al.			
		4,558,120	12/10/85	Tomalia et al.			
		4,568,737	02/04/86	Tomalia et al.			
		4,571,188	02/18/86	Hamilton			
		4,587,329	05/06/86	Tomalia et al.			
		4,631,337	12/23/86	Tomalia et al.			
		4,642,126	02/10/87	Zador et al.			
		4,648,843	03/10/87	Mitra			
		4,652,274	03/24/87	Boettcher et al.			
		4,694,064	09/15/87	Tomalia et al.			
		4,695,251	09/22/87	Randklev			
		4,713,975	12/22/87	Tomalia et al.			
		4,737,550	04/12/88	Tomalia			
		4,772,530	09/20/88	Gottschalk et al.			
		4,778,386	10/18/88	Spiry			
		4,857,599	08/15/89	Tomalia et al.			
<i>gaw</i>		4,871,779	10/03/89	Killat et al.			

<b>EXAMINER</b> 	<b>Date Considered</b> 2/13/06
<small>*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>	

<b>INFORMATION DISCLOSURE STATEMENT</b>	<b>Atty. Docket No.:</b> 58614US002	<b>Serial No.:</b> 10/643,748
	<b>Applicant(s):</b> OXMAN et al.	<b>Confirmation No.:</b> 4133
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Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
g		4,874,450	10/17/89	Gottschalk			
		4,954,414	09/04/90	Adair et al.			
		5,055,372	10/08/91	Shanklin et al.			
		5,057,393	10/15/91	Shanklin et al.			
		5,135,545	08/04/92	Pyzik et al.			
		5,401,169	03/28/95	Fleisher et al.			
		5,403,188	04/04/95	Oxman et al.			
		5,418,301	05/23/95	Hult et al.			
		5,487,663	01/30/96	Wilson			
		5,545,676	08/13/96	Palazzotto et al.			
		5,538,129	07/23/96	Chester et al.			
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		5,635,545	06/03/97	Oxman et al.			
		5,636,736	06/10/97	Jacobs et al.			
		5,707,236	01/13/98	Swanson et al.			
		5,753,781	05/19/98	Oxman et al.			
		5,775,913	07/07/98	Updyke et al.			
		5,785,178	07/28/98	Kvitrud et al.			
		5,827,063	10/27/98	Greenstein			
		5,830,986	11/03/98	Merrill et al.			
		5,859,148	01/12/99	Borggreve et al.			
		5,876,209	03/02/99	Letcher			
		5,914,185	06/22/99	Shoher et al.			
g		5,919,870	07/06/99	Letchford et al.			

<b>EXAMINER</b> <i>John Wilson</i>	<b>Date Considered</b> <i>2/13/06</i>
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Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JW		5,951,294	09/14/99	Pierson			
		5,975,906	11/02/99	Knutson			
		5,996,796	12/07/99	Kvitrud et al.			
		6,057,383	05/02/00	Völkel et al.			
		6,084,004	07/04/00	Weinmann et al.			
		6,114,409	09/05/00	Krebber			
		6,121,344	09/19/00	Angeletakis et al.			
		6,126,922	10/03/00	Rozzi et al			
		6,127,450	10/03/00	Angeletakis			
		6,186,790 B1	02/13/01	Karmaker et al.			
		6,187,836 B1	02/13/01	Oxman et al.			
		6,196,840 B1	03/06/01	Zentz et al.			
		6,252,014 B1	06/26/01	Knauss			
		6,300,390 B1	10/09/01	Angeletakis			
		6,345,984 B2	02/12/02	Karmaker et al.			
		6,353,040 B1	03/05/02	Subelka et al.			
		6,359,090 B1	03/19/02	Angeletakis			
		6,382,980 B1	05/07/02	Shoher et al.			
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		6,395,803 B1	05/28/02	Angeletakis			
		6,448,301 B1	09/10/02	Gaddam et al.			
		6,506,816 B1	04/14/03	Ario et al.			
		6,624,211 B2	09/23/03	Karim et al.			
JW		6,635,690 B2	10/21/03	Heilmann et al.			

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JW		2002/0061493 A1	05/23/02	Sun et al.			
		2002/0086266 A1	07/04/02	Karmaker et al.			
		2002/0102519 A1	08/01/02	Baum et al.			
		2002/0115743 A1	08/22/02	Karim et al.			
		2002/0117393 A1	08/29/02	Sun et al.			
		2003/0096908 A1	05/22/03	Heilmann et al.			
		2003/0114553 A1	06/19/03	Karim et al.			
		2003/0134930 A1	07/17/03	Gaddam et al.			
JW		2004/0005524 A1	01/08/04	Oxman et al.			

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Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
JW	✓	DE 2751057 A1	05/24/78	Germany (English Language Abstract Included)				X
	✓	DE 299 21 182 U1	05/18/00	Germany (English Language Abstract Included)				X
	✓	DE 199 24 116 A1	01/25/01	Germany (English Language Abstract Included)				X
	✓	EP 0 173 567 A2	03/05/86	EPO				
	✓	EP 0 284 991 A2, A3	10/05/88	EPO				
	✓	EP 0 284 991 B1	08/26/92	EPO				
	✓	EP 0 970 680 A2, A3	01/12/00	EPO				
JW	✓	EP 1 138 272 A1	10/04/01	EPO (English Language Abstract Included)				X

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	<b>Applicant(s):</b> OXMAN et al.	<b>Confirmation No.:</b> 4133
	<b>Application Filing Date:</b> 19 August 2003	<b>Group:</b> 3732
	Information Disclosure Statement mailed: April 1, 2004	

ju	✓	GB 1 591 741	06/24/81	Great Britain				
	✓	JP 4-183737	06/30/92	Japan (English Language Abstract Included)				X
	✓	WO 98/35630 A2,A3	08/20/98	WIPO				
	✓	WO 98/36729 A2	08/27/98	WIPO				
	✓	WO 99/45890 A1	09/16/99	WIPO				
	✓	WO 01/12679 A1	02/22/01	WIPO (English Language Abstract Included)				X
	✓	WO 01/95862 A1	12/20/01	WIPO				
	✓	WO 02/36039 A1	05/10/02	WIPO				
	✓	WO 02/085313 A1	10/31/02	WIPO				
	✓	WO 02/092021 A1	11/21/02	WIPO (English Language Abstract Included)				X
	✓	WO 02/26197 A2	04/04/02	WIPO				
ju	✓	WO 03/015720 A1	02/27/03	WIPO				

**OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)**

Examiner Initial	Copy Enclosed	Document Description
ju	✓	ANSI/ADA, American National Standard/American Dental Association, Specification No. 27; "Resin-Based Filling Material;" Council on Dental Materials, Instruments and Equipment, American Dental Association; Chicago, IL; 36 pgs. total (July 16, 1993).
ju	✓	Fedors, "A Method for Estimating Both the Solubility Parameters and Molar Volumes of Liquids," <i>Polymer Sci. and Eng.</i> , Vol. 14(2), pp. 147-154 (February 1974).

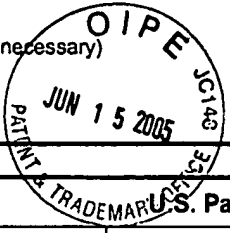
<b>EXAMINER</b> <i>John Wilson</i>	<b>Date Considered</b> 2/13/06
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	Applicant(s): OXMAN et al.	Confirmation No.: 4133
	Application Filing Date: 19 August 2003	Group: 3732
	Information Disclosure Statement mailed: April 1, 2004	

9w	✓	ISO 4049 International Standard; "Dentistry - Polymer-based filling, restorative and luting materials;" International Organization for Standardization, Geneva, Switzerland; Title page, Publication page, Table of Contents, and pgs. 1-27 (33 pgs. total) (July 15, 2000).
	✓	Klee et al., "Synthesis for low shrinking composites, 2 <sup>a</sup> Synthesis of branched methacrylates and their application in dental composites," <i>Macromol. Chem. Phys.</i> , Vol. 200, pp. 517-523 (1999).
	✓	Plate et al., "Comb-Like Polymers, Structure and Properties," <i>Journal of Polymer Science, Macromolecular Reviews</i> , Vol. 8, Title page, Publication and Table of Contents page, and pgs 117-253 (1974).
	✓	Product Directions for Use and Material Safety Data Sheet, "Triad ® Visible-Light Cure Provisional Material Directions for Use," Dentsply Trubyte, York, PA, 6 pgs. (June 1997)
	✓	Product Directions for Use, "SureFil™ High Density Posterior Restorative," Dentsply Caulk, Dentsply, International, Inc., Milford, DE, 5 pgs. (October, 1998).
	✓	Product Directions for Use, "REVOTEK LC Light-Cured Resin For Temporary Crown & Bridge," GG Dental Products Corp., Alslo, IL, 5 pgs. (November, 2000).
	✓	Product Instructions for Use, "Kerr Prodigy Condensable," Kerr U.S.A., Orange, CA, 1 pg. (no date available)
	✓	Revised American National Standard / American Dental Association (ADA); Specification No. 9 for Dental Silicate Cement; ADA, Chicago, IL; 17 pgs. (June 30, 1980).
9w	✓	Wan et al., "Methacrylol Derivitized Hyperbranched Polyester. 2. Photo-Polymerization and Properties for Dental Resin Systems," <i>J.M. S. - Pure Appl. Chem.</i> , Vol. A37(11), pp. 1317-1331 (2000).

EXAMINER <i>John Wilson</i>	Date Considered <i>2/13/06</i>
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Substitute for form 1449A/PTO (modified)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 1 of 1	Application Number	10/643748
	Filing Date	August 19, 2003
	First Named Inventor	Oxman, Joel D.
	Art Unit	3732
	Examiner Name	Unknown
	Attorney Case Number	58614US002



U.S. Patent Documents						
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Doc. Number-(Kind Code if Known)				
<i>ju</i>	A1	US- 4,957,441	9-18-90	Bryan		
<i>ju</i>	A2	US- 6,183,249	2-6-01	Brennan et al.		
	A3	US-				
	A4	US-				
	A5	US-				
	A6	US-				

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
<i>ju</i>	B1	FR	2454795	11-21-80			X (English Abstract)
<i>ju</i>	B2	FR	2598076	11-6-87			X (English Abstract)
	B3						

OTHER DOCUMENTS			
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1		
	C2		
	C3		

*Examiner: <i>John Wilson</i>	Date Considered: <i>2/13/06</i>
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/643748
Filing Date	August 19, 2003
First Named Inventor	Oxman, Joel D.
Art Unit	3732
Examiner Name	Unknown
Attorney Case Number	58614US002

## U.S. Patent Documents

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		Doc. Number-(Kind Code if Known)			
<i>92</i>	A1	US- 2,474,676	06-28-1949	Kelly	
<i>92</i>	A2	US- 4,129,946	12-19-1978	Kennedy	
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			

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		Ctry. Code	Number-KindCode (if known)				
<i>92</i>	B1	GB	647 261	12-06-1950			
<i>92</i>	B2	GB	1 051 735	12-21-1966			
	B3						
	B4						
	B5						
	B6						
	B7						

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	C2		
	C3		

\*Examiner:

*John Wilson*

Date Considered:

*2/13/06*

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<b>Substitute for form 1449A/PTO (modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 1 of 1	<b>Application Number</b>	10/643748
	<b>Filing Date</b>	August 19, 2003
	<b>First Named Inventor</b>	Oxman, Joel D.
	<b>Art Unit</b>	3732
	<b>Examiner Name</b>	Unknown
	<b>Attorney Case Number</b>	58614US002

U.S. Patent Documents					
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		Doc. Number-(Kind Code if Known)			
92	A1	US- 1,468,428	09-18-1923	A.S. Wells et al.	
92	A2	US- 2,480,048	08-23-1949	W.S. Rice	
92	A3	US- 6,415,916	07-09-2002	Rini	
	A4	US-			
	A5	US-			
	A6	US-			

Foreign Patent Documents							
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	C1		
	C2		
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<b>*Examiner:</b> <i>John Wilson</i>	<b>Date Considered:</b> <i>2/13/06</i>
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Page 1 of 1

Application Number	10/643748
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Art Unit	3732
Examiner Name	
Attorney Case Number	58614US002

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		Doc. Number-(Kind Code if Known)			
<i>9w</i>	A1	US- 2002/0081546	6/27/02	Tricca et al.	
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			

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		Ctry. Code	Number-KindCode (if known)				
<i>9w</i>	B1	WO	95/35071	12/28/95			
	B2						
	B3						
	B4						

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	C1		
	C2		
	C3		

\*Examiner:

*John Walen*

Date Considered:

*2/13/06*

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OMB No. 0651-0011

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<b>INFORMATION DISCLOSURE STATEMENT</b>	Atty. Docket No.: 58614US002	Serial No.: 10/643,748
	Applicant(s): OXMAN et al.	Confirmation No.: 4133
	Application Filing Date: 19 August 2003	Group: 3732
	Information Disclosure Statement mailed: <i>May 26, 2004</i>	

**U.S. PATENT DOCUMENTS**

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>ju</i>	X	2003/0153645 A1	08/14/03	Sun et al.			
<i>ju</i>	X	2003/0203339 A1	10/30/03	Chilibeck			

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

Examiner: *John Wilson*Date Considered: *2/13/06*